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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/075,338 02/14/2002 Michael L. Reed 10186 8708 EXAMINER 26890 01/24/2006 7590 JAMES M. STOVER DANG, THANH HA T NCR CORPORATION ART UNIT PAPER NUMBER 1700 SOUTH PATTERSON BLVD, WHQ4 DAYTON, OH 45479 2163

DATE MAILED: 01/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Ар	Application No. Applicant(s)			
		10	/075,338	REED ET AL.		
		Ex	aminer	Art Unit		
			anh-Ha Dang	2163		
Period fo	The MAILING DATE of this commun or Reply	ication appears	on the cover shee	t with the correspondence	address	
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE M nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comn o period for reply is specified above, the maximum st ure to reply within the set or extended period for reply reply received by the Office later than three months a ed patent term adjustment. See 37 CFR 1.704(b).	IAILING DATE of 37 CFR 1.136(a). nunication. atutory period will app will, by statute, cause	OF THIS COMMU In no event, however, ma by and will expire SIX (6) the application to become	JNICATION.  By a reply be timely filed  MONTHS from the mailing date of the death of the ABANDONED (35 U.S.C. § 133).	is communication.	
Status						
1)	Responsive to communication(s) file	ed on 19 Decen	nber 2005			
2a) ☐	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.					
3)	, <del>_</del>					
, —	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
4)⊠	☑ Claim(s) <u>3,21 and 37</u> is/are pending in the application.					
	4a) Of the above claim(s) 1-2, 4-20, 22-36, 38-44 is/are withdrawn from consideration.					
5)	) ☐ Claim(s) is/are allowed.					
6)⊠	Claim(s) <u>3,21 and 37</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
8)	8) Claim(s) are subject to restriction and/or election requirement.					
Applicat	ion Papers					
9)	The specification is objected to by th	e Examiner.				
10)⊠ The drawing(s) filed on <u>14 February 2002</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority (	under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
u,	1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No					
	3. Copies of the certified copies of the priority documents have been received in this National Stage					
	application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.						
Attachmen	ıt(s)					
	ce of References Cited (PTO-892)			ew Summary (PTO-413)		
	ce of Draftsperson's Patent Drawing Review (P mation Disclosure Statement(s) (PTO-1449 or			No(s)/Mail Date of Informal Patent Application (	PTO-152)	
	er No(s)/Mail Date	1 10/30/00)	6)  Other:	• • • • • • • • • • • • • • • • • • • •	· · - · ,	

Application/Control Number: 10/075,338 Page 2

Art Unit: 2163

#### **DETAILED ACTION**

1. Applicant cancelled Claims 1-2, 4-20, 22-36 and 38-44.

2. Claims 3, 21, and 37 are rejected in this Office Action.

#### Response to Amendment

3. Receipt of Applicant's Amendment filed 19 December 2005 is acknowledged.

4. After reviewing Applicant's Remarks and update search, the Office withdrew the finality and claims 3, 21, and 37 indicated for allowance. The Office regrets any inconvenience due to Applicant.

5. The indicated allowability of claims 3, 21, and 37 are withdrawn in view of the newly discovered reference(s). Rejections based on the newly cited reference(s) follow.

# Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Application/Control Number: 10/075,338 Page 3

Art Unit: 2163

Claims 3, 21 and 37 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No 6,839,707 issued to Lee et al. ("Lee"), and further in view of Pub. No. US2003/0004975 issued to Nakano et al. ("Nakano").

As to Claim 3, Lee teaches a method of loading data into a database system, comprising:

- receiving an insert request to insert data into a table in a database system,
   where the insert request includes one or more links, and each link
   indicates a server connection and a storage location for data
   corresponding to the link (Figures 11, 17-18, column 11, lines 12-40);
- creating a table entry in the database system (Figure 3, column 5, lines 3-9);
- opening the corresponding server connection for each received link (column 8, lines 12-35);
- requesting the data corresponding to each received link through the corresponding opened server connection (Figures 9-13, column 8, lines 66-67, column 9, lines 1-67 and column 10, lines 1-43);
- receiving the requested data for each received link through the corresponding server connection (Figures 9-13, column 8, lines 66-67, column 9, lines 1-67 and column 10, lines 1-43); and
- Lee does not explicitly teach storing the received data in the table entry,
   where at least two insert requests are processed in parallel. However,

Nakano teaches storing the received data in the table entry, where at least two insert requests are processed in parallel (page 5 [0077] wherein concurrently execute insert processing requests to table is equivalent to

Page 4

insert requests are processed in parallel).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the teachings of Nakano and Lee to provide a method and system which implements parallel processing, thereby provide a method and system in order to allow access and processing of multiple requests to enhance operability and performance of a database management system in a distributed computer network environment.

As to Claim 21, Lee teaches a computer program, stored on a tangible storage medium, for use in loading data into a database system, the program comprising executable instructions that cause a computer to:

- receive an insert request to insert data into a table in a database system,
   where the insert request includes one or more links, and each link indicates a server connection and a storage location for data corresponding to the link (Figures 11, 17-18, column 11, lines 12-40);
- create a table entry in the database system (Figure 3, column 5, lines 3-9);
- "open the corresponding server connection for each received link (column 8, lines 12-35);

 request the data corresponding to each received link through the corresponding opened server connection (Figures 9-13, column 8, lines 66-67, column 9, lines 1-67 and column 10, lines 1-43);

- receive the requested data for each received link through the corresponding server connection (Figures 9-13, column 8, lines 66-67, column 9, lines 1-67 and column 10, lines 1-43); and
- Lee does not explicitly teach store the received data in the table entry,
  where at least two insert requests are processed in parallel. However,
  Nakano teaches store the received data in the table entry, where at least
  two insert requests are processed in parallel (page 5 [0077] wherein
  concurrently execute insert processing requests to table is equivalent to
  insert requests are processed in parallel).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the teachings of Nakano and Lee to provide a method and system which implements parallel processing, thereby provide a method and system in order to allow access and processing of multiple requests to enhance operability and performance of a database management system in a distributed computer network environment.

As to Claim 37, Lee teaches a database system, comprising:

 one or more data storage facilities for use in storing data composing records in tables of a database (Figure 1, wherein block16 is a data

storage facilities for use in storing data records in tables of a database which is block20, column 3, lines 63-67 and column 4, lines 1-15);

- one or more processing modules configured to manage the data stored in the data-storage facilities (Figure 4, wherein block130, block136, block140, block146 represent the processing modules configured to manage the data stored in the data-storage facilities, column 6, lines 4-35, and column 7, lines 3-34); and
- a database management component configured to load data into the data storage facilities after receiving one or more links in a request from a client system, where each link indicates a server connection and a storage location for the data to be loaded (Figures 3-4, 6-13 illustrate a database management component which load data into the data storage facilities after receiving one or more links in a request from a client system via a server connection and a storage location for the data to be loaded, column 8, lines 65-67, column 9, lines 1-67 and column 10, lines 1-43), and where at least one processing module includes executable instructions providing a database worker task configured to:
- create a table entry in a data storage facility corresponding to the processing module including the database worker task (Figure 3, column 5, lines 3-9);
- open the corresponding server connection for each received link (column 8, lines 12-35);

- request the data corresponding to each received link through the corresponding opened server connection (Figures 9-13, column 8, lines 66-67, column 9, lines 1-67 and column 10, lines 1-43);
- receive the requested data for each received link through the corresponding server connection (Figures 9-13, column 8, lines 66-67, column 9, lines 1-67 and column 10, lines 1-43); and
- Lee does not explicitly teach store the received data in the table entry,
   where the database management component is further configured to
   process at least two client requests including link strings in parallel.
   However,

Nakano teaches store the received data in the table entry, where the database management component is further configured to process at least two client requests including link strings in parallel (page 5 [0077] wherein concurrently execute processing requests to table is equivalent to process at least two client requests including link strings in parallel).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the teachings of Nakano and Lee to provide a method and system which implements parallel processing, thereby provide a method and system in order to allow access and processing of multiple requests to enhance operability and performance of a database management system in a distributed computer network environment.

Application/Control Number: 10/075,338 Page 8

Art Unit: 2163

#### Citation of Pertinent Prior Art

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

 US Patent No. 6,675,214 issued to Stewart et al., "Method and Apparatus for Efficient Storage and Retrieval of Objects In and From an Object Storage Device".

# Response to Arguments

8. Applicant's arguments with respect to claims 3, 21 and 37 have been considered but are most in view of the new ground(s) of rejection.

Art Unit: 2163

Contact Information

Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Thanh-Ha Dang whose telephone number is

571-272-4033. The examiner can normally be reached on Monday-Friday from

9:00 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Safet Metjahic can be reached on 571-272-4023. The fax

phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

Information regarding the status of an application may be obtained from

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free).

Thanh-Ha Dang

Examiner

Art Unit 2163

Page 9

SAFET METJAHIC SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2100